

Overview

The Arizona Department of Environmental Quality has requested that the ASU GIS Lab provide spatially allocated demographic information as available for 2000 and 2018.

The following maps include depictions of:

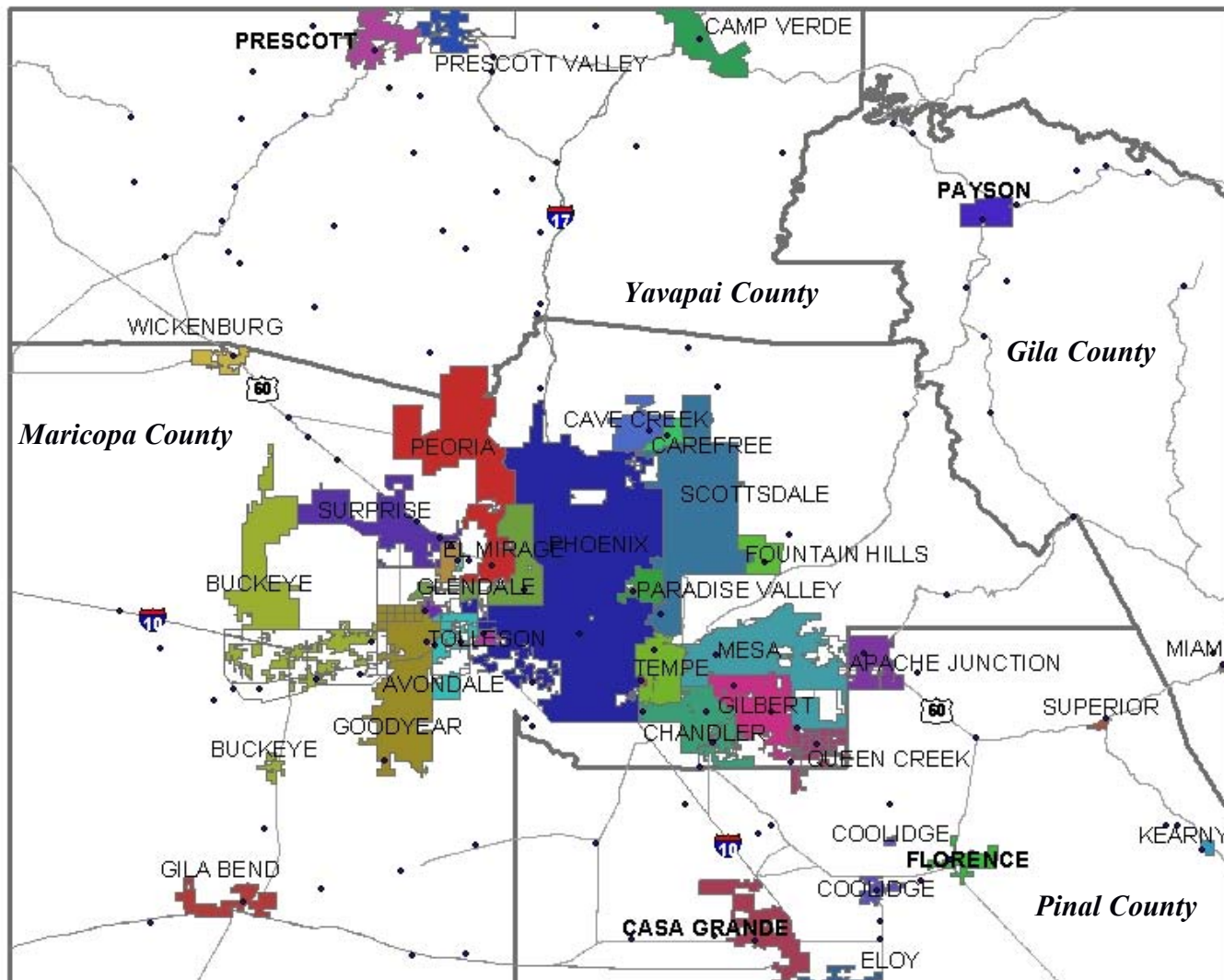
- Change in population Density from 2000-2018
- Commercial Land use (current)
- Employment Centers (current)
- Traffic Volume Projections
- Future Land use

Study Area Map

The following map shows the study area which includes portions of Maricopa, Yavapai, Pinal, and Gila Counties.

Incorporated cities on this map are shown as color-coded polygons, while non-incorporated towns are shown as points.

Incorporated Cities and Towns (shown as points)

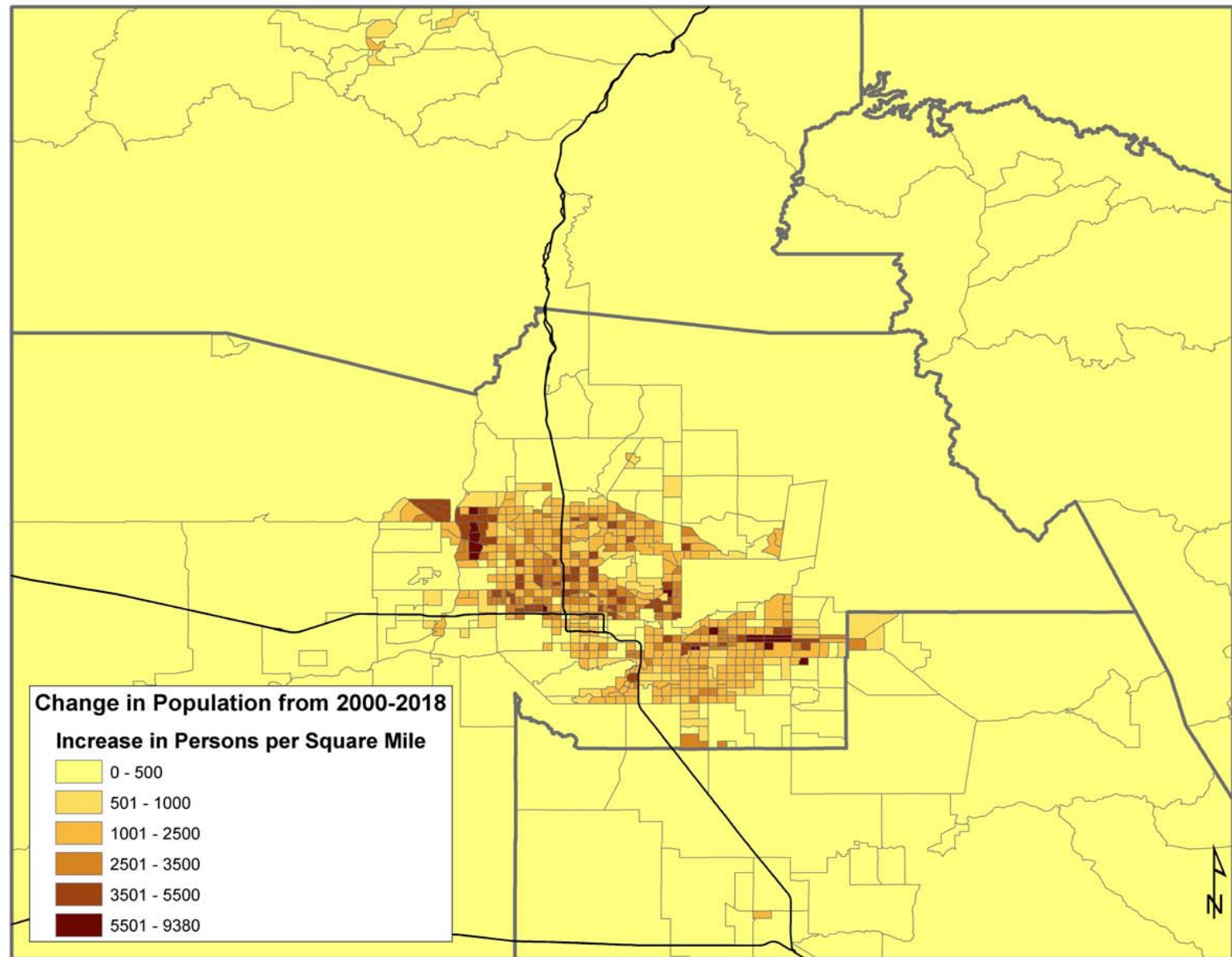


Population Growth

The following map shows change in persons per square mile from 2000-2018. The calculations for population projection are based on the description for projections provided by the Arizona Department of Economic Security.

Population density is mapped by here by 2000 Census Tract delineation.

When looking at population density, it is important to keep in mind that the size of the tract influences density in such a way that smaller tracts may depict data in a way that is more spatially accurate than larger tracts.



Commercial Land Use

The following map depicts the Percent Commercial area per Square Mile.

For Maricopa County – Commercial land use calculations are based on a photo-interpreted Land Use cover and includes Specialty, Neighborhood, and Community categories.

For Yavapai County – Commercial Land Use calculations are based on zoning and includes categories:

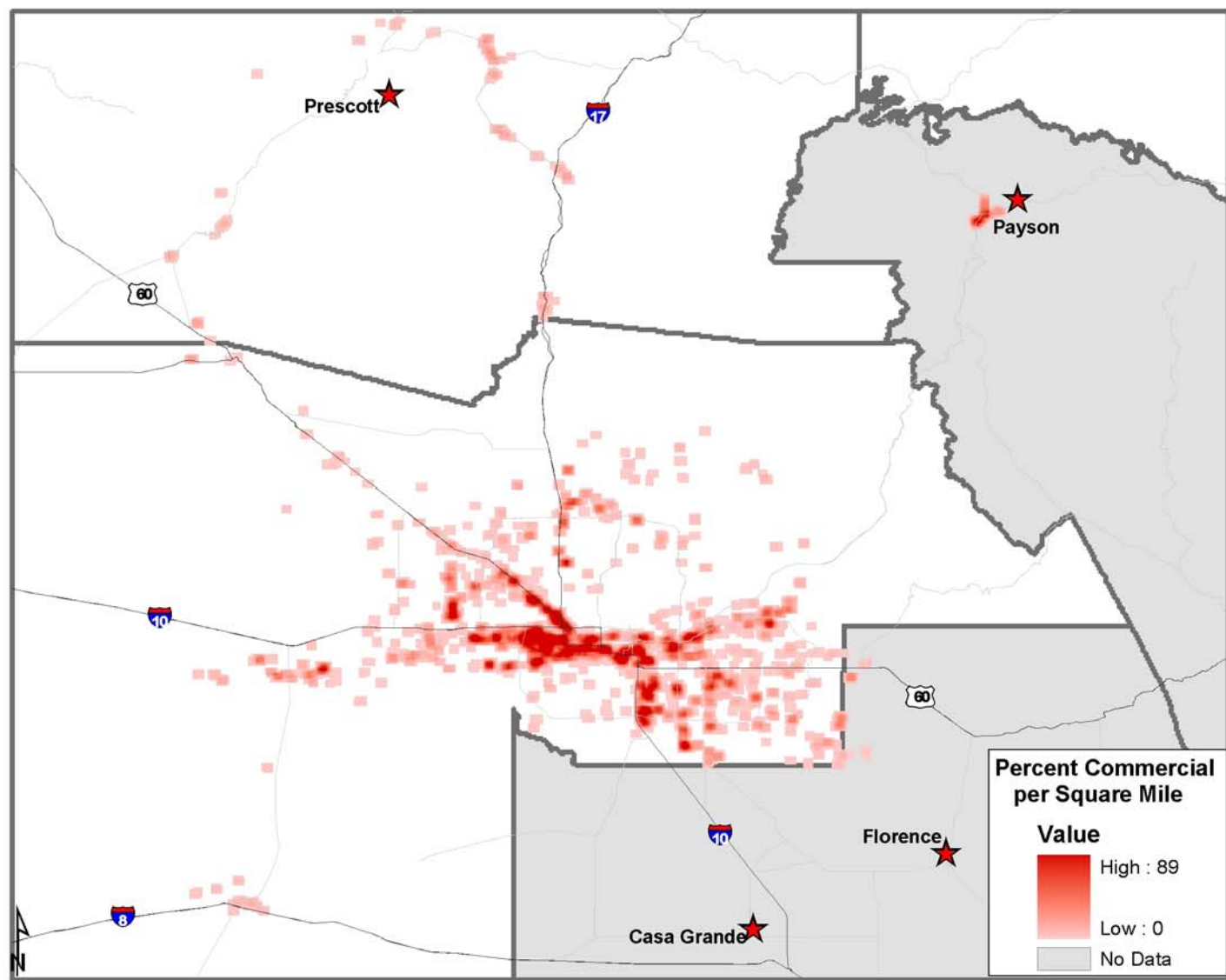
C1 DISTRICT - (Commercial; Neighborhood Sales and Services)

C2 DISTRICT - (Commercial; General Sales and Services)

C3 DISTRICT - (Commercial and Minor Industrial)

For Pinal County – Zoning to show Commercial Land Use is not available in digital format.

For Payson – Commercial Land Use calculations are based on zoning.



Employment Centers

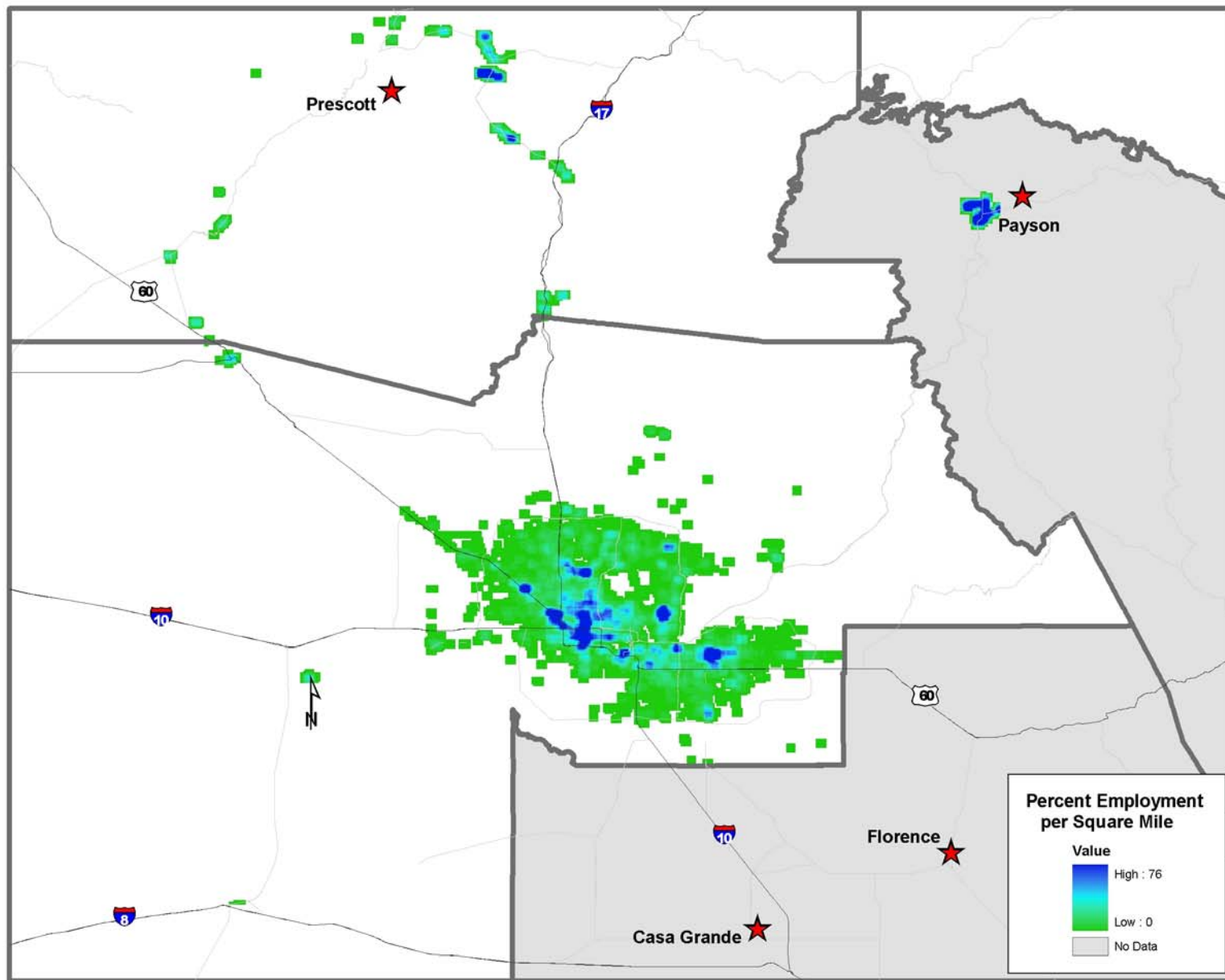
The following map depicts Percent Employment Centers per Square Mile.

For Maricopa County – Employment Center Percentages were calculated using employer point locations.

For Yavapai County – Employment Centers Percentages were calculated using Commercial and Industrial zoned areas.

For Pinal County – Employment Center information was not available in digital format.

For Payson – Employment Centers Percentages were calculated from a general Land Use map on which “employment centers” were delineated.



Traffic Volume Projections

The Arizona Department of Transportation as well as individual counties and COGS (Councils of Government) generate traffic volume projections.

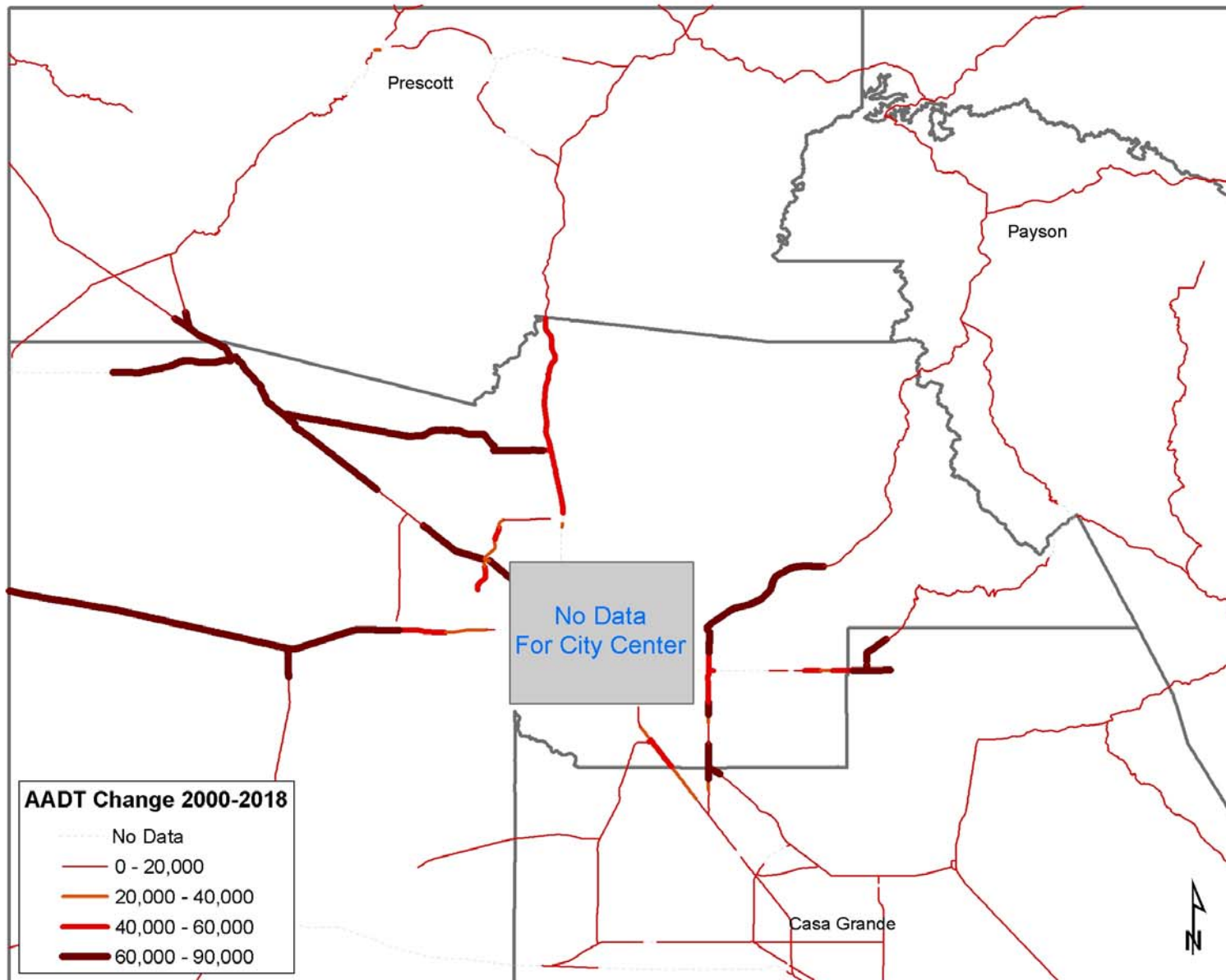
The following maps show Annual Average Daily Traffic (**AADT**) Volume Projections created by

- ADOT – For Rural Arizona
- MAG – For Maricopa County
- Pinal County – For Pinal County

ADOT Traffic Projections

The scope of coverage of these data have three limitations...

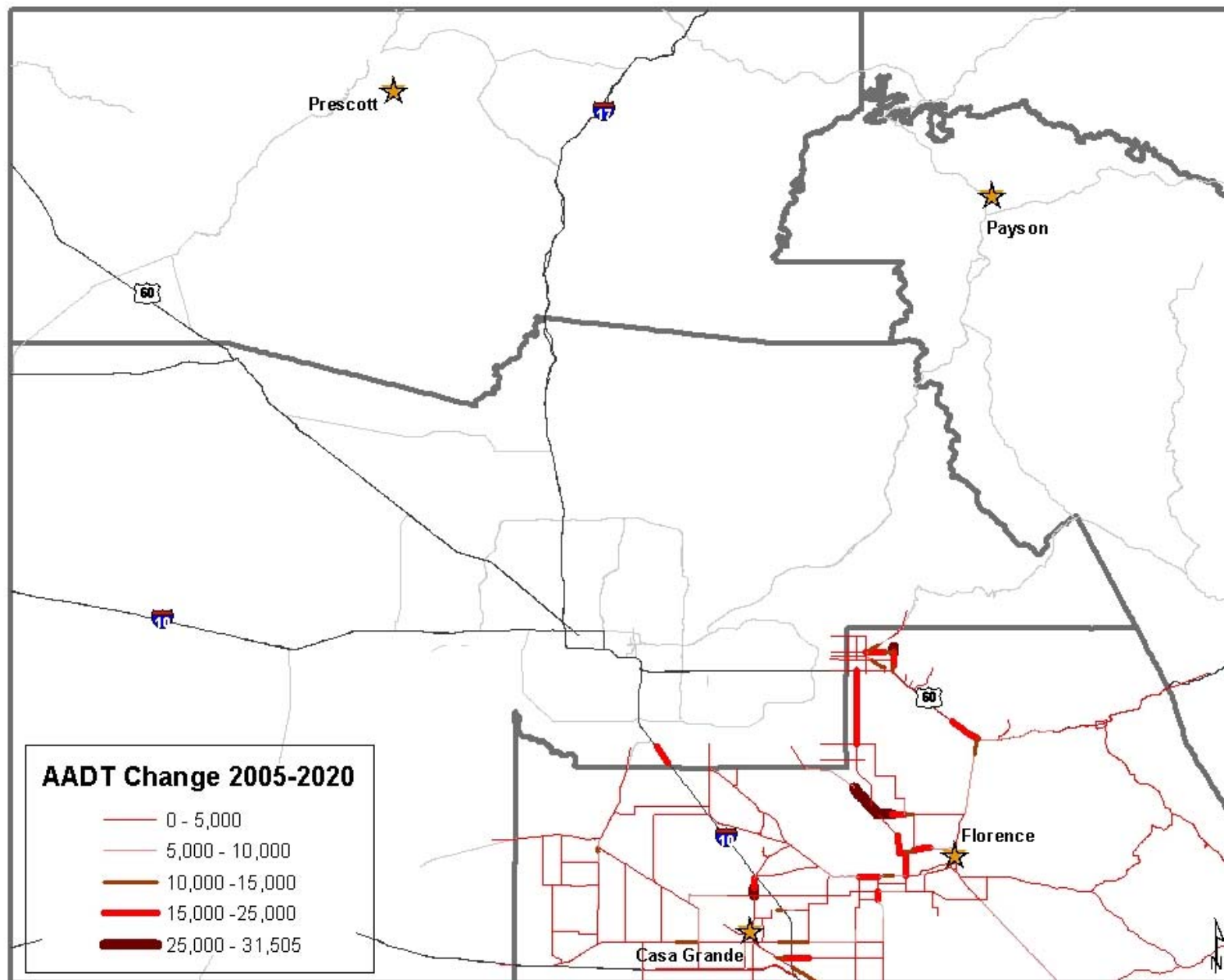
- 1) They includes only those routes of the Arizona State Highway System (those on which ADOT has jurisdiction over),
- 2) forecasts are only available for rural, non-urbanized portions of those routes, and
- 3) the forecasts only go out 20 years from the latest year ADOT has current volumes.



Pinal County

The following map was calculated from data available from the Pinal County Transportation Plan 2000 Update.

The map depicts change for Annual Average Daily Traffic Counts for Pinal County from 2005-2020.



MAG

The map depicted here is based on draft preliminary estimates of emissions and have not been used in any Air Quality Plan adopted by MAG. They are subject to change.

These traffic volume projections are for the year 2015 and are shown by Annual Average Daily Traffic Counts.

AADT 2015



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Current and Future Residential Land Use*

The following maps depict where residential land use will take place in the near future.

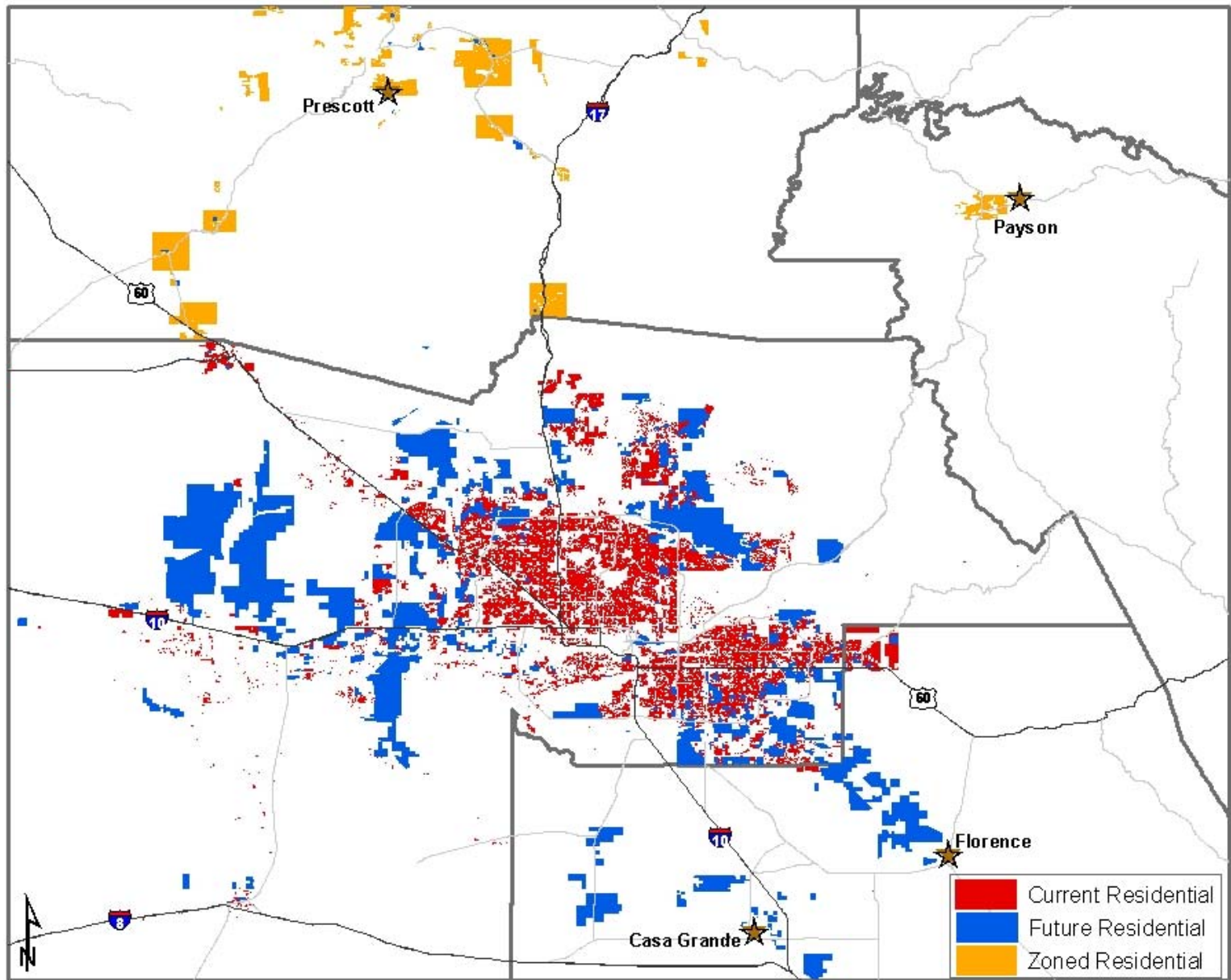
Red areas represent **current** residential landuse.

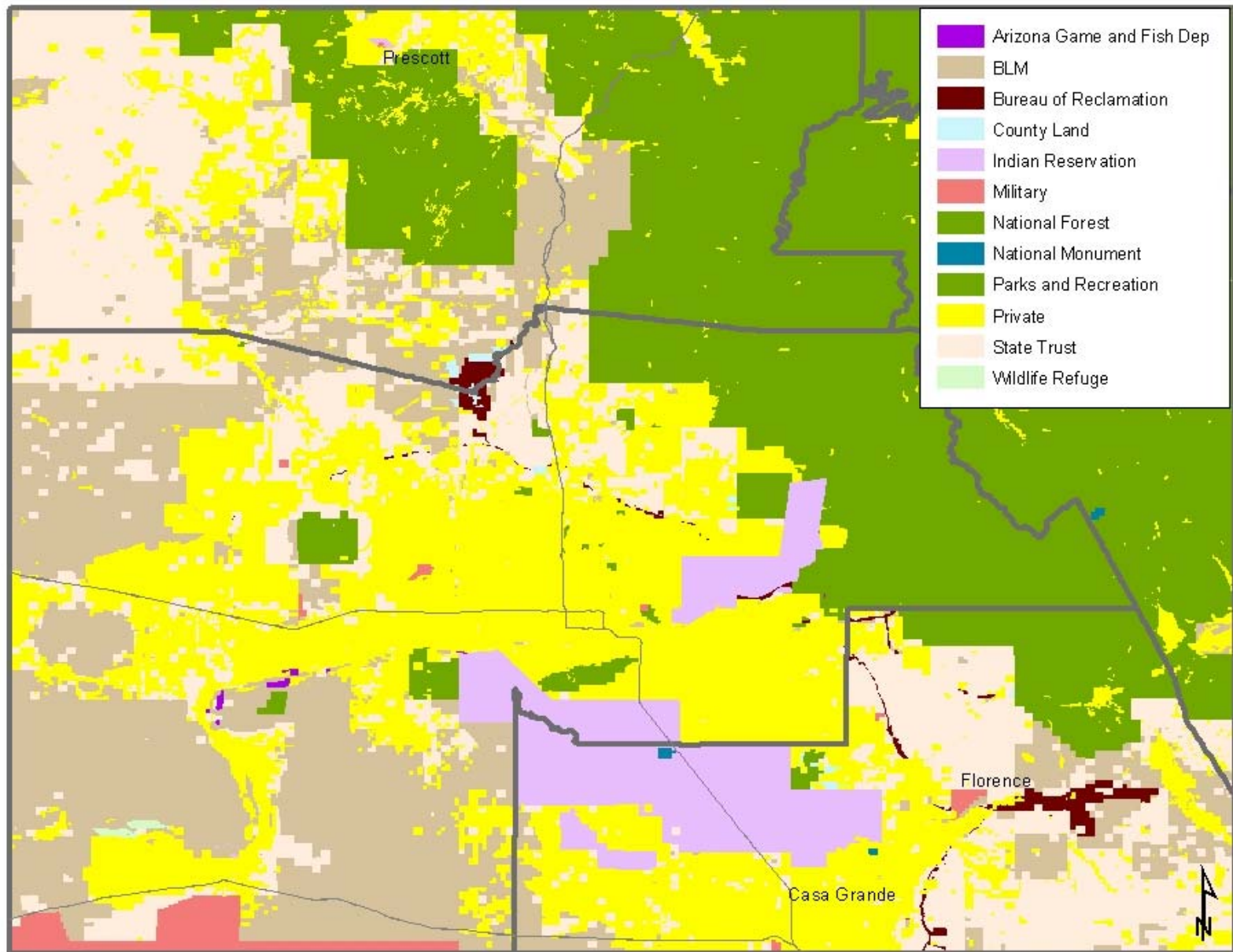
Blue areas represent areas where subdivisions have been approved to be built. The Blue areas are either already **under construction, or are scheduled to be in the near future.**

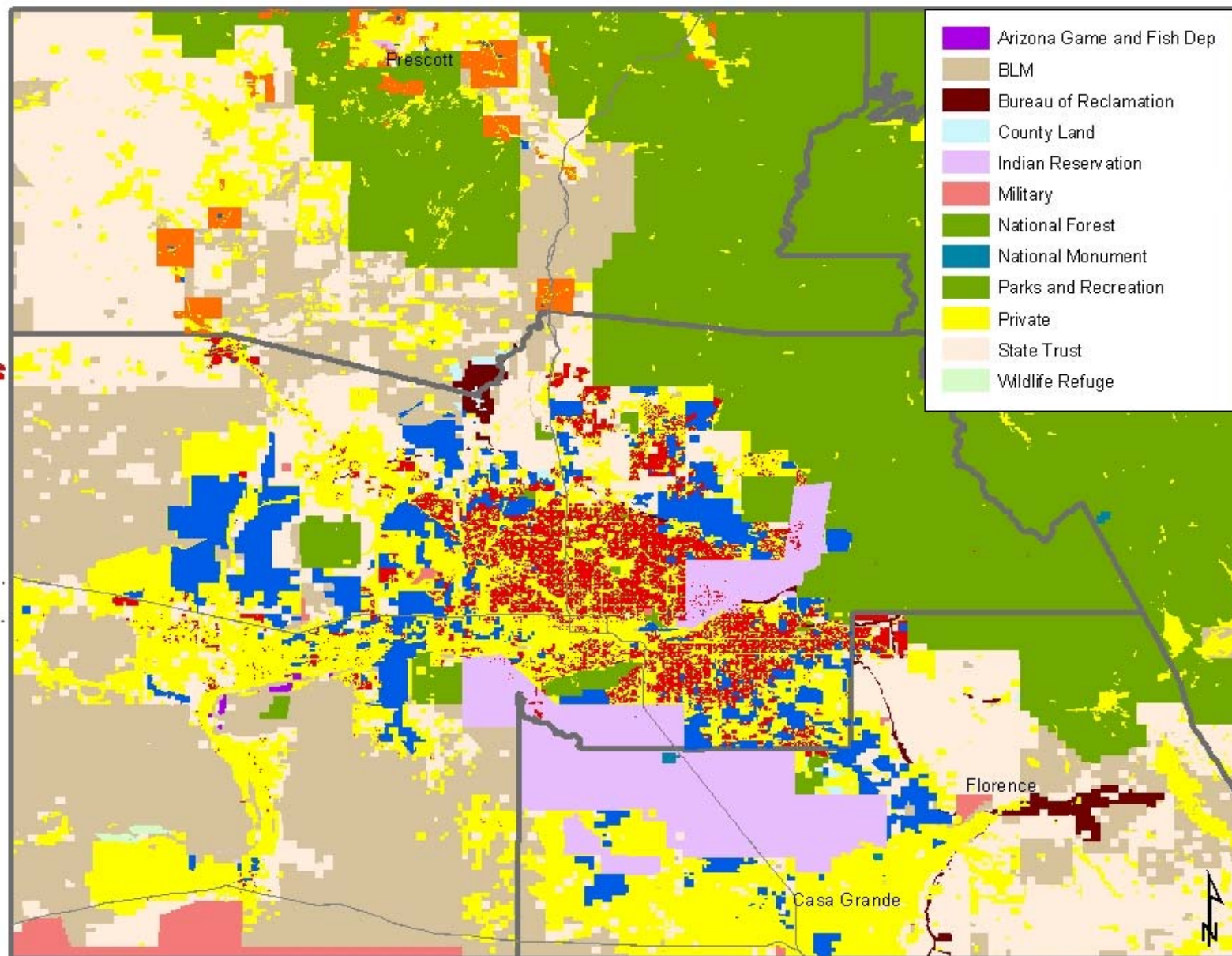
Gold areas represent areas that are **zoned** for residential use.

Land ownership is overlaid on the second map in this series to indicate that future land development is taking place on private land which is not as abundant as federal and state owned land.

**Maricopa Landuse is based on photo-interpretation and subdivision plans
Yavapai County and Payson Landuses are based on zoning.*







Future Land Use – General Plans

The following maps depict land use according to *General Plans* which depict a shared ‘vision’ of where future land use should take place.

Maricopa County – The Future Land Use coverage was created by MAG by aggregating data from our draft General Plan Land Use coverage into condensed categories. Therefore, this coverage contains some General Plan data along with some draft General Plan data and conceptual plans.

Yavapai County – Shown is a generalized plan for Future Land Use. Community plans which will show greater detail are currently being created.

Pinal County – The general plan shown here for Pinal County is in draft form and will be released for public comment on June 1st.

Gila County – The general plan shown here for Gila County is in draft form and is currently available for public comment.

